

ABSTRACT

System and method for device-independent color gamut mapping is disclosed. The system recognizes that a finite set of color gamut mapping intents form the basis for performing color gamut mappings during document rendering and implements a color mapping method for each of the color gamut mapping
5 intents. For each color in a document to be rendered, the system obtains a desired color gamut mapping strategy expressed as a combination of the color gamut mapping intents and performs each of the color mapping methods on each color to obtain basis color maps for each color. The system then constructs a mapped
10 color for each of the colors in the document based on the desired color gamut mapping strategy associated with each color. Furthermore, weight values may be used to further define the combination in the desired color gamut mapping strategy.